



# REALQUALITY RQ-SevenSTI

Multiplex Detection of 7 STI  
Pathogens by Real-Time PCR

*Chlamydia trachomatis* (CT)  
*Neisseria gonorrhoeae* (NG)  
*Mycoplasma genitalium* (MG)  
*Mycoplasma hominis* (MH)  
*Ureaplasma parvum* (UP)  
*Ureaplasma urealyticum* (UU)  
*Trichomonas vaginalis* (TV)

REALQUALITY RQ-SevenSTI is a Real-Time PCR assay, based on two-tube multiplex reactions, for the fast detection of seven pathogens causing sexually transmitted infections (STI)



## PRODUCT CHARACTERISTICS:

Detection and identification of 7 STI causing pathogens by two-tube multiplex PCR:

**REACTION 1:** *C. trachomatis* (CT), *N. gonorrhoeae* (NG), *M. genitalium* (MG), Internal Control (IC)

**REACTION 2:** *U. urealyticum* (UU), *M. hominis* (MH), *U. parvum* (UP), *T. vaginalis* (TV)

- Two target regions for both *C. trachomatis* and *N. gonorrhoeae* increase the clinical specificity and sensitivity of the test
- Ready-to-use PCR mastermix, includes dUTP/UNG system to prevent carry over contamination
- Internal control: amplification of  $\beta$ -globin gene (BG) in multiplex with pathogens genes
- Positive controls included
- Easy interpretation of results with AB Genius Report software
- Shelf life: 18 months

## SPECIMENS

Swab specimen (urethral, vaginal, cervical), urine

## COMPATIBLE INSTRUMENTATION

AriaDx Real-Time PCR System (*Agilent Technologies*)

CFX96 Real-Time PCR Detection System-IVD (*Bio-Rad*)

Rotor-Gene Q 6plex (*QIAGEN*)

## FLUOROPHORES AND TARGET GENES

### REACTION 1

Fluorophore	Pathogen	Amplified regions
Green	<i>C. trachomatis</i> (CT)	<i>MOMP</i> gene and cryptic plasmid
Yellow	<i>N. gonorrhoeae</i> (NG)	<i>porA</i> pseudo gene and multicopy <i>opa</i> gene
Red	<i>M. genitalium</i> (MG)	<i>MgPa</i> gene
Orange	Internal Control	$\beta$ -globin gene

### REACTION 2

Fluorophore	Pathogen	Amplified regions
Green	<i>T. vaginalis</i> (TV)	Repeated sequence
Yellow	<i>U. urealyticum</i> (UU)	<i>urease</i> gene
Red	<i>M. hominis</i> (MH)	<i>16s rRNA</i>
Orange	<i>Ureaplasma parvum</i> (UP)	<i>urease</i> gene

This product uses technology patented for use in human diagnostics by Biosearch Technologies

## ORDER INFORMATION

Code	Product	Format
RQ-127-4M	REALQUALITY RQ-SevenSTI	50 tests
RQ-127-6M	REALQUALITY RQ-SevenSTI	100 tests
RQ-127-4A	REALQUALITY RQ-SevenSTI	50 tests
RQ-127-6A	Automatic format for GENEQUALITY X120 system	100 tests

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